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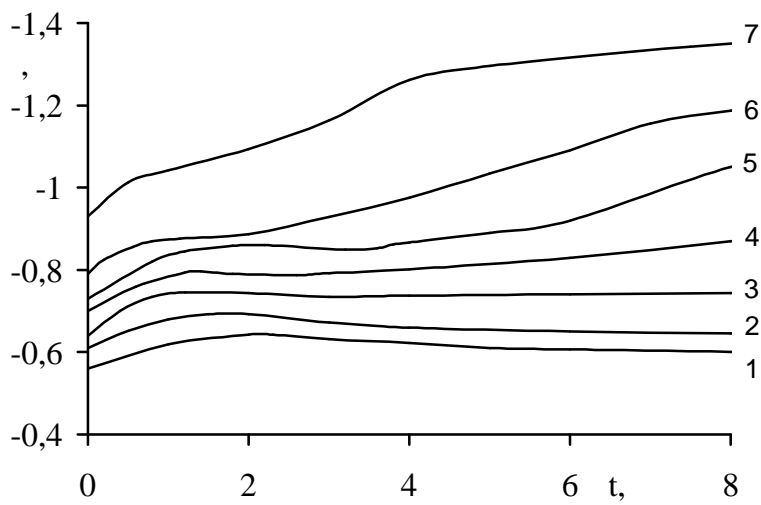
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The process of deposition of copper and nickel from electrolytes which contain salts of sulfamate acid is investigated in the article. The kinetic dependences are certain and the limiting stage of cathode process of reduction of metals is determined by the methods of chronopotentiometry and by reconstruct of polarization curves in the coordinates of the mixed, electrochemical and diffusive kinetics.



$$0,6 - 0,8 \quad / \quad ^2.$$



. 1.

( / <sup>2</sup>):

1 – 6; 2- 8; 3 – 12; 4 – 18; 5 – 20; 6 – 24; 7 – 27

( . 1),

j,

- 0,65 ( . 1)

- 0,7 ( . 2)

- 0,65

- 0,6

( . 3),

. 4

j,

( . 5 – 8),

. 6

- 0,87 ,

- 1,15 .

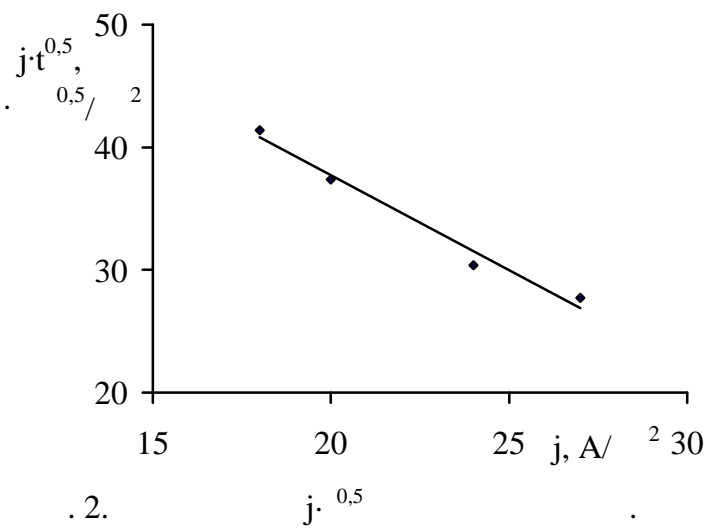
j<sup>0,5</sup> – j

( . 2).

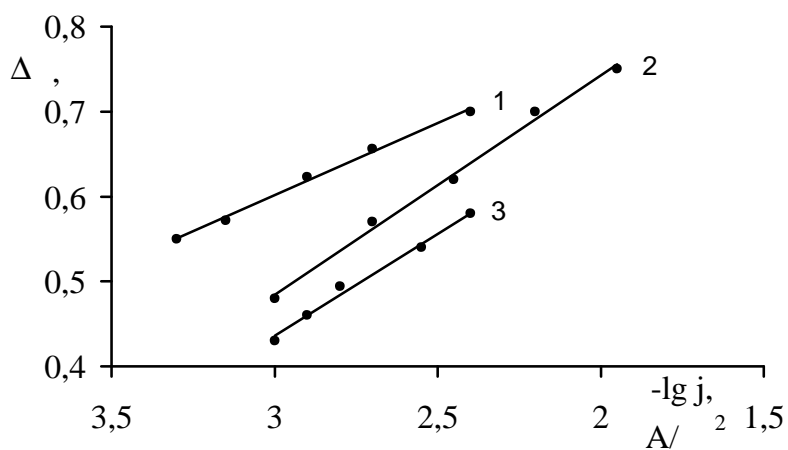
18, 20, 24, 27 / <sup>2</sup>.

[3],

j<sup>0,5</sup>



$Ni^{2+}$ .



$Ni^{2+}$

$Ni^{2+}$ ,

/ 3: 1 – 0,8; 2 – 1; 3 – 1,2

$$0,4 \div 0,7 \quad .$$

$$(1 \div 10) \cdot 10^{-3} / \quad ^2$$

$$- 0,6$$

$$0,4 \div 0,8 \quad .$$

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The kinetic characteristic of leaching the silver from surface of electrotechnical scrap were determined. The limiting stage of process in different interval of temperature were defined. The recommendations for intensification the process of leaching were presented.